

Amendment to the Specification:

Please replace the paragraph at page 16, line 22 through page 17, line 4 with the following:

FIG. 16 is a representation of recordings showing, on the one hand, a 2-dimensional view of the superior colliculus (FIG. 16A and FIG. 16B upper panels, in which C = caudal, M = medial, R = rostral and L = lateral), and on the other hand the maps of the corresponding visual fields of the retina (FIG. 16C and FIG. 16D lower panels, in which D = dorsal, N = nasal, V = ventral and T = temporal). The crosses on the map of the colliculus represent the zones for which no recording could be obtained. The dots correspond to the zones for which recordings could be obtained; the left-hand FIGS. (FIG. 16A and FIG. 16C) represent the recordings of a dystrophic 6-month-old rat. The recordings could be made from a single unit (light zone), which is typical of animals of this age. The right-hand FIGS. (FIG. 16B and FIG. 16D) represent the recordings of a rat grafted with IO/LD7/4 cells on the superior temporal retina. It is observed that responses can be obtained from a wide zone of the superior colliculus.